



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

JHRG, LLC
303 South Pine Street
Spring Hope, NC 27882

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: "Supreme Protector 503 W/E/PEH " Flexible Hurricane Wind Abatement Systems

APPROVAL DOCUMENT: Drawing No. JHRG05, titled "Supreme Protector", sheets 1 through 4 of 4, prepared by Building Drops, Inc., dated April 09, 2009, last revision "C" dated February 23, 2012, signed and sealed by Hermes F. Norero, P.E., on April 16, 2012, bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each panel shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA revises NOA # 10-0525.07 and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.



Helmy A. Makar
08/02/2012

NOA No. 12-0423.11
Expiration Date: 07/01/2014
Approval Date: 08/02/2012
Page 1

JHRG, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 07-1015.04

A. DRAWINGS

1. *Drawing No. JHRG05, titled " Supreme Protector ", sheets 1 through 4 of 4, prepared by Certworks, LLC, dated April 09, 2009, last revision "A" dated May 29, 2009, signed and sealed by Kristina Daugherty, P.E.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 503 W/E/PEH Supreme Protector Flexible Hurricane Wind Abatement System, prepared by American Test Lab, Inc., Report No. 0902.01-08, dated October 16, 2008, signed and sealed by David Johnson, P.E.*
2. *Test report on Large Missile Impact Test, Cyclic Wind Pressure Test and Uniform Static Air Pressure Test of 503 W/E/PEH Supreme Protector Flexible Hurricane Wind Abatement System, prepared by American Test Lab, Inc., Addendum to Report No. 0902.01-08, dated December 05, 2008, signed and sealed by David Johnson, P.E.*

C. CALCULATIONS

1. *Anchor calculations dated May 28, 2009, 8 pages, prepared by Certworks, LLC, signed and sealed by Kristina Daugherty, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *Mill Certified Inspection Report issued by John S. Morse, P.E., dated August 06, 2007, with chemical analysis and mechanical properties for 503 WE/PE Spectra Fabric Samples.*

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 10-0525.07

A. DRAWINGS

1. *Drawing No. JHRG05, titled " Supreme Protector ", sheets 1 through 4 of 4, prepared by Certworks, LLC, dated April 09, 2009, last revision "B" dated February 22, 2010, signed and sealed by Kristina Daugherty, P.E.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*


Helmy A. Makar, P.E., M.S.

Product Control Unit Supervisor

NOA No. 12-0423.11

Expiration Date: 07/01/2014

Approval Date: 08/02/2012

JHRG, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

D. QUALITY ASSURANCE

1. *By Miami-Dade County Building Code Compliance Office.*

E. MATERIAL CERTIFICATIONS

1. *None.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing No. JHRG05, titled "Supreme Protector", sheets 1 through 4 of 4, prepared by Building Drops, Inc., dated April 09, 2009, last revision "C" dated February 23, 2012, signed and sealed by Hermes F. Norero, P.E., on April 16, 2012.*

B. TESTS

1. *None.*

C. CALCULATIONS

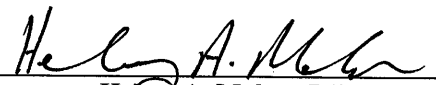
1. *Anchor calculations dated March 02, 2012, 8 pages, prepared by Building Drops, Inc., signed and sealed by Hermes F. Norero, P.E.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Unit Supervisor

NOA No. 12-0423.11

Expiration Date: 07/01/2014

Approval Date: 08/02/2012

GENERAL NOTES:

1.

THE PRODUCT SHOWN HEREIN IS APPROVED AS A LARGE MISSILE IMPACT PROTECTIVE SYSTEM IN ACCORDANCE WITH THE 2010 FLORIDA BUILDING CODE FOR USE INSIDE & OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ). TESTING PROTOCOLS WERE IN ACCORDANCE WITH TAS 201-94, TAS 202-94, TAS 203-94.
2.

NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS PRODUCT. WINDLOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
3.

POSITIVE AND NEGATIVE DESIGN PRESSURES TO BE USED WITH THESE DRAWINGS SHALL BE DETERMINED BY OTHERS FOR SPECIFIC JOBS IN ACCORDANCE WITH THE GOVERNING CODE. WHEN CALCULATING PRESSURES PER ASCE 7-10, USE OF DIRECTIONALITY FACTOR KD = 0.85 IS ALLOWED.
4.

THE FLEXIBLE WIND ABATEMENT SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS TO BE USED IN CONJUNCTION WITH THIS DOCUMENT.
5.

THE FLEXIBLE WIND ABATEMENT SYSTEM PANELS SHALL BE SUPREME PROTECTOR (SINGLE LAYER) FABRIC. EACH GROMMET ROW IS REINFORCED WITH ONE (1) 6061 T6511 ALUMINUM FLAT 1/8" X 1" X AS REQUIRED FOR THE ENTIRE WIDTH OF THE PANEL.
6.

THE FLEXIBLE WIND ABATEMENT SYSTEM PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER PANEL AS FOLLOWS:
JHRG, LLC SPRING HOPE, NC
MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED
7.

THE FLEXIBLE WIND ABATEMENT PANELS MAY BE MOUNTED HORIZONTALLY WHERE APPLICABLE (i.e. WITH LINE OF ANCHORAGE IN VERTICAL DIRECTION).
8.

ALL BOLTS & WASHERS SHALL BE ZINC COATED, GALVANIZED OR STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 60 KSI.
9.

TOP AND BOTTOM DETAILS SHOWN ON THIS DRAWING MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE.
10.

ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
11.

SEE THE DESIGN PRESSURE RATING ON THIS SHEET.
12.

APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** TO PROTECT THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.

INSTALLATION NOTES:

1.

ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2.

THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3.

MINIMUM EDGE DISTANCE AND EMBEDMENT EXCLUDE WALL FINISHES (INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING).
4.

INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
5.

FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
6.

INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
7.

SUPREME PROTECTOR FABRIC MATERIAL SPECS:
SUPREME PROTECTOR 503 W/E/PEH WOVEN FABRIC WITH EVA AND POLYETHYLENE FILM COATING ON BOTH SIDES, UV RESISTANT.

SPAN NOTES:

1.

ALLOWABLE DESIGN PRESSURES SHALL NOT BE EXCEEDED.
2.

PANEL SPANS LONGER THAN MAXIMUM NOTED ARE NOT ALLOWED.
3.

PANEL SPANS LESS THAN MINIMUM NOTED ARE NOT ALLOWED.
4.

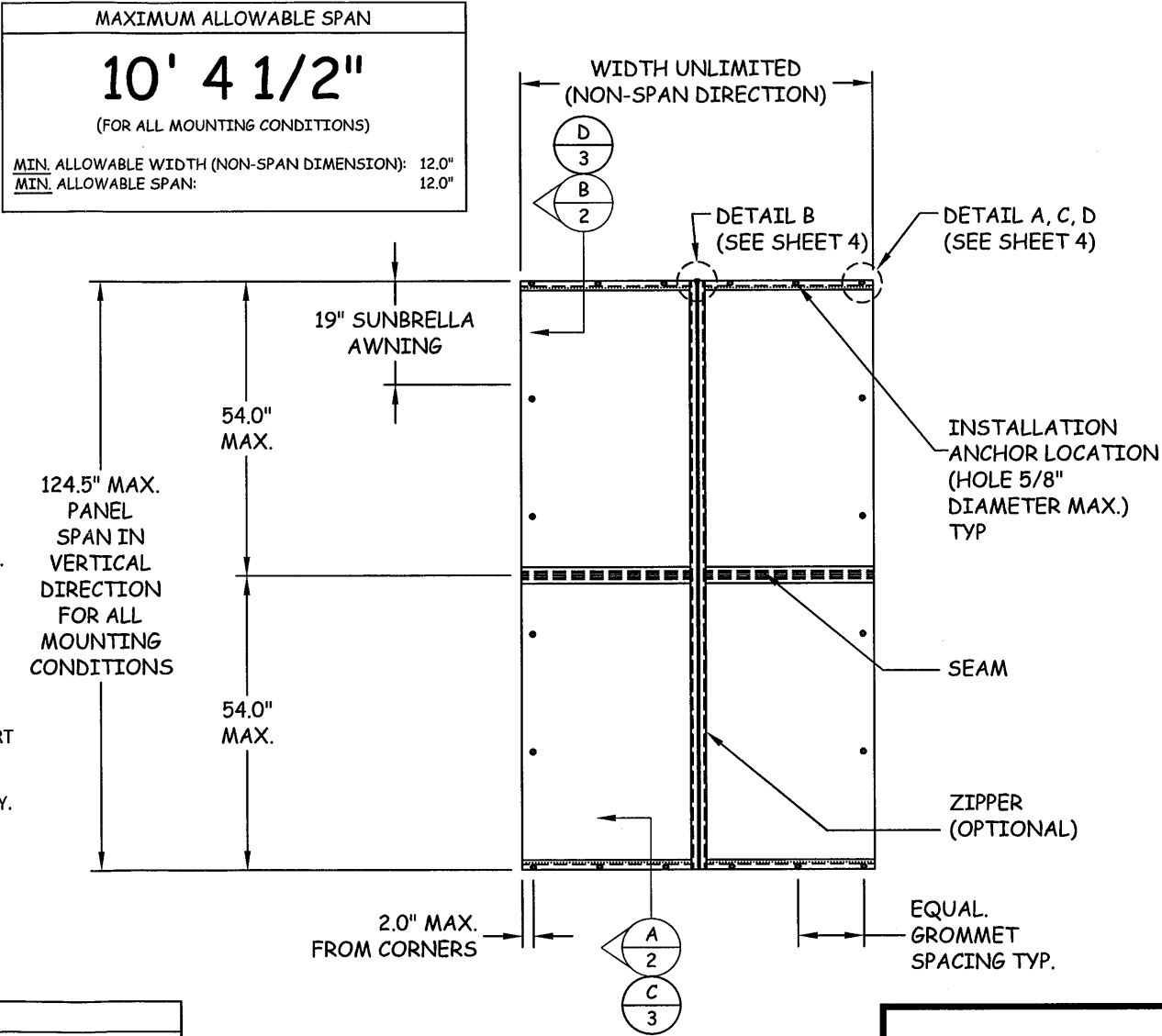
GLASS SEPARATION DUE TO SPAN. PLEASE REFER TO CHART ON SHEET 2 FOR DISTANCES.
5.

PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY.

JHRG, LLC.

SUPREME PROTECTOR 503 W/E/PEH

HURRICANE SHUTTER



ELEVATION
EXTERIOR VIEW

DESIGN PRESSURE RATING	
DESIGN PRESSURE	MISSILE IMPACT RATING
+/-78.0 PSF	SMALL AND LARGE MISSILE IMPACT RATED

TABLE OF CONTENTS		
SHEET	REV.	SHEET DESCRIPTION
1	C	ELEVATION, ANCHOR LAYOUT & GENERAL NOTES
2	C	VERTICAL SECTIONS
3	C	VERTICAL SECTIONS
4	C	COMPONENTS AND BILL OF MATERIALS

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 12-0423.11
Expiration Date 07/01/2014
by *[Signature]*
Miami Dade Product Control



303 S. PINE STREET
SPRING HOPE, NC 27882
PH: (800) 849-4997 FX: (252) 478-4998

TITLE: SUPREME PROTECTOR
ELEVATION, ANCHOR LAYOUT &
GENERAL NOTES
PREPARED BY:
BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS		DESCRIPTION	BY	DATE
NO.				
A		UPDATED PER MIAMI-DADE COMMENTS	JLR	05.29.09
B		UPDATED TABLE OF CONTENTS	KH	02.22.10
C		2010 FBC CODE CHANGE	MS	02.23.12

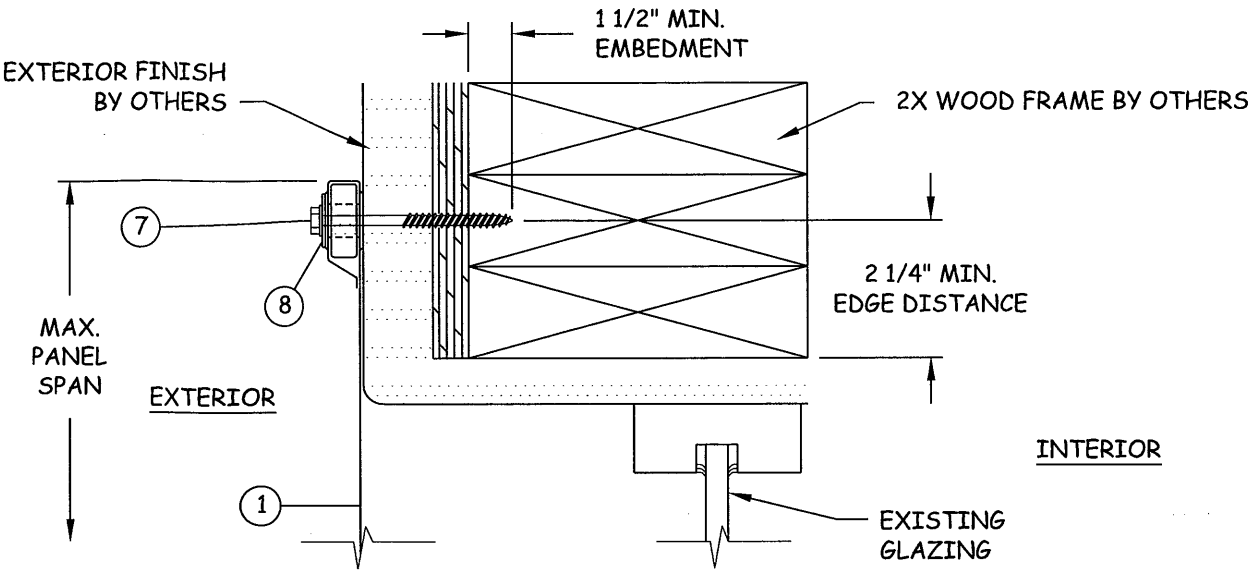
[Signature] 14-16-2012
HERMES F. MORENO
FLORIDA P. E. NO. 73778
127 W. FAIRBANKS AVE. STE. 438
WINTER PARK, FL 32789
FBC CERT. OF AUTHORIZATION NO. 29576

DATE: 04.09.09	DWN BY: JLR	CHK BY: HN	SCALE: NTS
DWG #: JHRG05			
SHEET: 1 OF 4			

Offset Requirements based on Positive Load			
Design Pressure (PSF)	Deflections (in.)		
	Spans up to 4'-0"	Spans up to 6'-0"	Spans up to 10'-0"
20	7	8 1/4	10
25	7	8 1/4	11
30	7	9	12
35	7	9	12
40	7	10	12
45	7	10	13
50	7	10	13
55	7	10	14
60	7	10	14
65	7	10	14
70	7	10	14
78	7	10	14

*SHUTTER/GLASS SEPARATION SHALL BE MEASURED AT MID-SPAN OF FABRIC

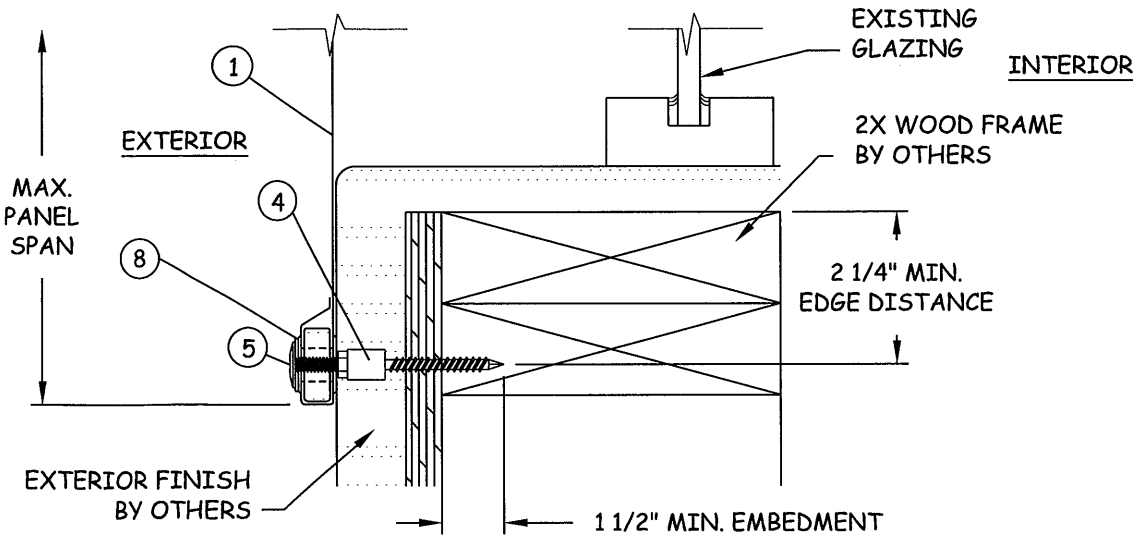
		Anchor Schedule					
		Anchor Spacing			Anchor Spacing		
		SYP Timber (S.G.=0.53)			3000 PSI Concrete		
		2 1/4" Edge Distance			2 1/2" Edge Distance		
Anchor	Design Pressure (PSF)	Spans up to 4' 0"	Spans up to 6' 0"	Spans up to 10'-0"	Spans up to 4' 0"	Spans up to 6' 0"	Spans up to 10'-0"
ITW Buildex Sammy Hurricane Shutter Screw SSW w/ 1 3/4" Tapcon (w/ 1/4" -20 x 3/4" Combo Sidewalk Bolt - SS)	20	12	12	12	12	12	12
	25	12	12	12	12	12	12
	30	12	12	12	12	12	12
	35	12	12	12	12	12	12
	40	12	12	12	12	12	12
	45	12	12	12	12	12	12
	50	12	12	11	12	12	12
	55	12	12	10	12	12	12
	60	12	12	9	12	12	11
	65	12	12	9	12	12	10
	70	12	12	8	12	12	10
	78	12	12	7	12	12	9
		2 1/4" Edge Distance			2 1/2" Edge Distance		
		Spans up to 4' 0"	Spans up to 6' 0"	Spans up to 10'-0"	Spans up to 4' 0"	Spans up to 6' 0"	Spans up to 10'-0"
ITW Buildex 1/4 x 2 1/4" Tapcon SG w/ Ultrashield	20	12	12	12	12	12	12
	25	12	12	12	12	12	12
	30	12	12	12	12	12	12
	35	12	12	12	12	12	12
	40	12	12	12	12	12	12
	45	12	12	12	12	12	12
	50	12	12	12	12	12	12
	55	12	12	12	12	12	12
	60	12	12	12	12	12	12
	65	12	12	11	12	12	12
	70	12	12	10	12	12	12
	78	12	12	9	12	12	12



B
2

VERTICAL SECTION

HEAD - 2X WOOD SUBSTRATE
1/4" ITW BUILDIX TAPCON SG



A
2

VERTICAL SECTION

SILL - 2X WOOD SUBSTRATE
1/4" ITW BUILDIX SAMMYS SSC

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No **12-0423-11**
Expiration Date **07/01/2014**
By *[Signature]*
Miami Dade Product Control

DATE: 04.09.09
DWN BY: JLR
CHK BY: HN
SCALE: NTS
DWG #: **JHRG05**
SHEET: **2 OF 4**



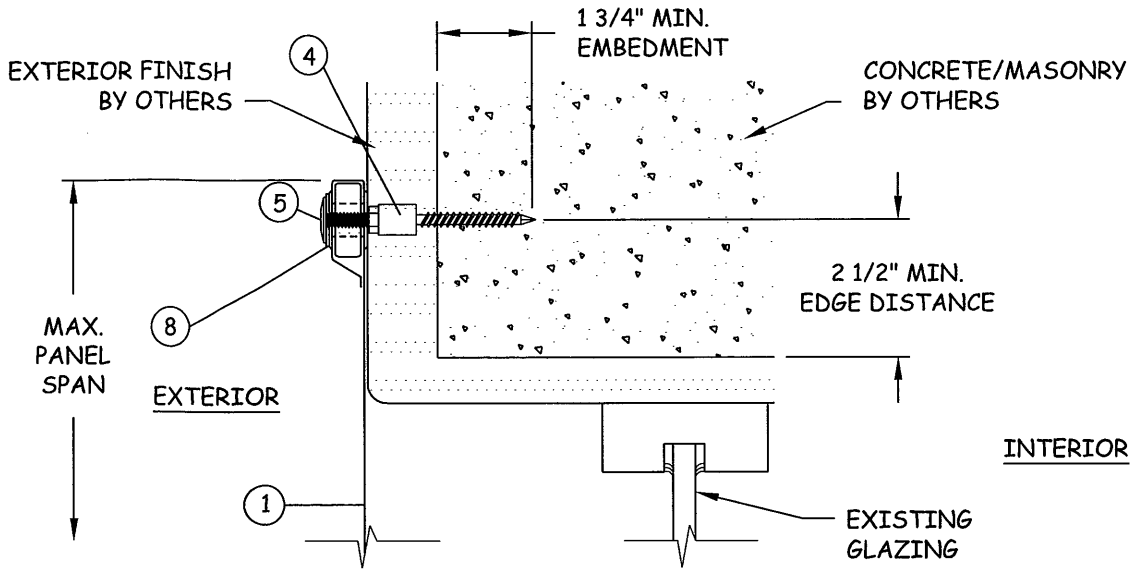
JHRG LLC
303 S. PINE STREET
SPRING HOPE, NC 27882
PH: (800) 849-4997 FX: (252) 478-4998

TITLE: **SUPREME PROTECTOR VERTICAL SECTIONS**
PREPARED BY: **BUILDING DROPS, INC.**
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

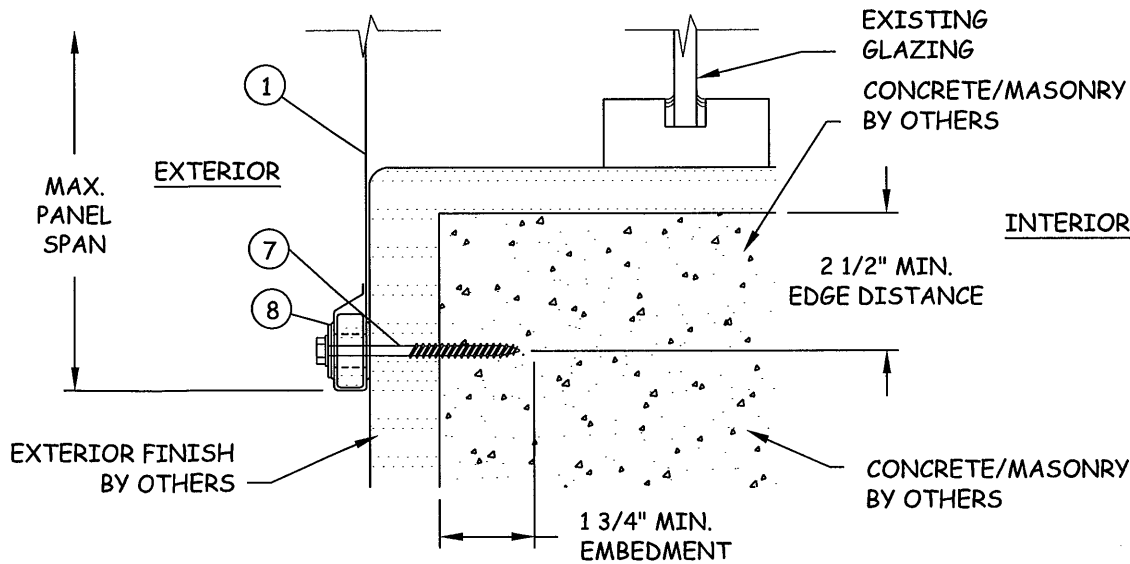
NO.	DESCRIPTION	BY	DATE
A	UPDATED PER MIAMI-DADE COMMENTS	JLR	05.29.09
C	2010 FBC CODE CHANGE	MS	02.23.12

[Signature] 4-16-2012
HERMES F. NOBRE
FLORIDA P.E. NO. 75378
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FBPE CERT. OF AUTHORIZATION NO. 239578

DESCRIPTION OF PRODUCT		
COMPONENT	DESCRIPTION	LOCATION
FABRIC	SUPREME PROTECTOR 503 W/E/PEH WOVEN FABRIC WITH EVA AND POLYETHYLENE FILM COATING ON BOTH SIDES, UV RESISTANT.	
	WEIGHT 11.5 OZ./SQ. YD. +/- 1 OZ.	
	TENSILE 25.2 G/DEN	
	TONGUE TEAR OUT NOT LESS THAN 260 x 250 LBS.	
	ABRASION 63,000 CYCLES	
	COLD CRACK -40 F	
ZIPPER	#15 GAUGE x 84" MAX. OPENING, TEETH AND PULL HANDLE - DUPONT DELRIN ACETAL RESIN, UV STABILIZED, TAPED 1-1/4" WIDE, 100% POLYESTER, UV STABILIZED AS SHOWN IN DRAWINGS.	CENTER OF SPECIMEN
SUNBRELLA	19" HIGH x SPECIMEN WIDTH SOLUTION DYED ACRYLIC SEWN ON TO SPECIMEN AS SHOWN IN THE DRAWING.	TOP OF SPECIMEN
MOUNTING BRACKETS	1/8" x 1" 6061 T6511 ALUMINUM FLAT SEWN INTO FABRIC USING 138 THREAD AS SHOWN IN THE DRAWING.	HEAD AND SILL
GROMMETS	305 STAINLESS STEEL AS SHOWN IN THE DRAWING. PROVIDED BY STIMPSON-900 SYLVAN AVE., BAYPORT, NY 11705.	HEAD AND SILL CENTERLINE OF MOUNTING BRACKET
SEAM	3" WIDE STITCHED WITH 138 THREAD AS SHOWN IN DRAWING.	CENTER



D 3 **VERTICAL SECTION**
HEAD - MASONRY/CONCRETE SUBSTRATE
1/4" ITW BUILDEX SAMMYS SSC



C 3 **VERTICAL SECTION**
SILL - MASONRY/CONCRETE SUBSTRATE
1/4" ITW BUILDEX TAPCON SG

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 12-0423.11
Expiration Date 07/01/2014
By *[Signature]*
Miami Dade Product Control

DATE: 04.09.09
DWN BY: JLR
CHK BY: HN
SCALE: NTS
DWG #: JHRG05
SHEET: 3 OF 4



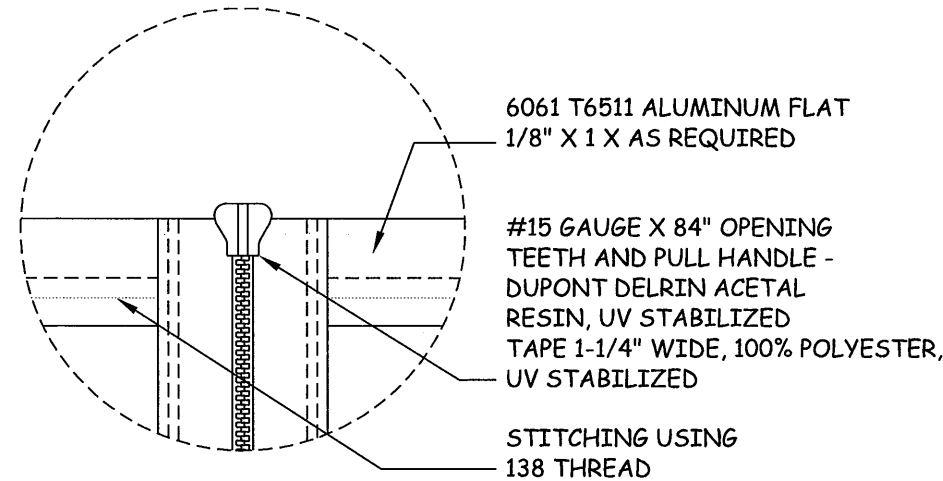
JHRG LLC

303 S. PINE STREET
SPRING HOPE, NC 27882
PH: (800) 849-4997 FX: (252) 478-4998

TITLE: SUPREME PROTECTOR
VERTICAL SECTIONS
PREPARED BY:
BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

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C	2010 FBC CODE CHANGE	MS	02.23.12		

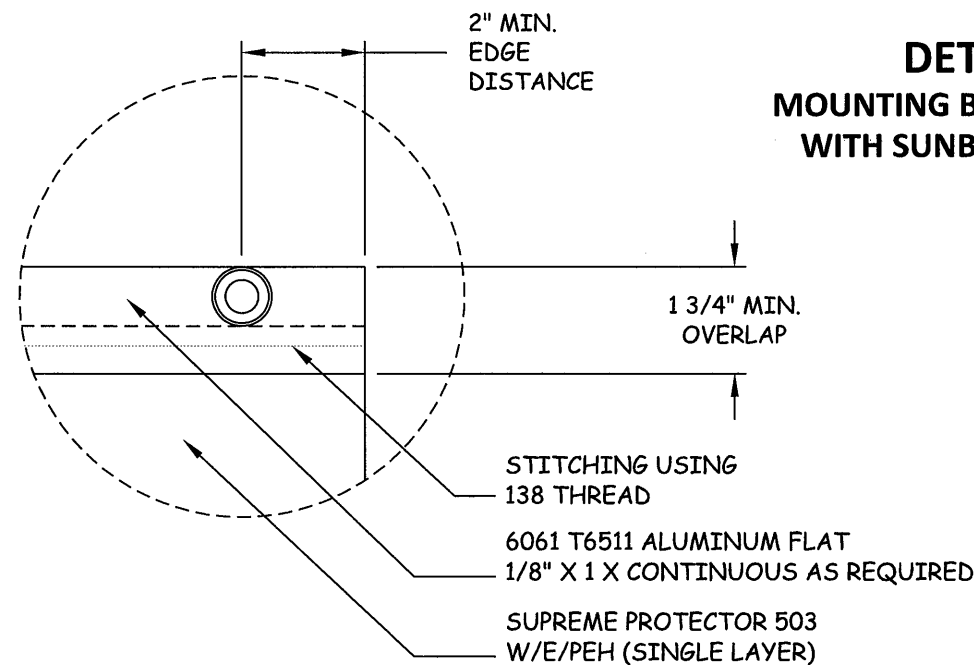
[Signature] 4-16-2012
HERMES F. NORRERO
FLORIDA P.E. NO. 73779
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
FSP# CERT. OF AUTHORIZATION NO. 88678



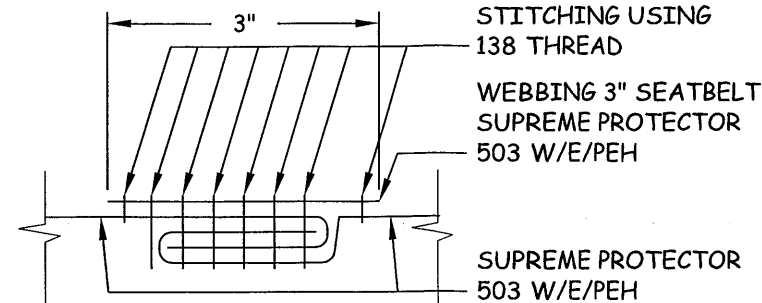
DETAIL B
LENZIP ZIPPER

6 ALUMINUM BAR

6061 T6511 ALUMINUM
FLAT 1/8" X 1" X AS REQUIRED

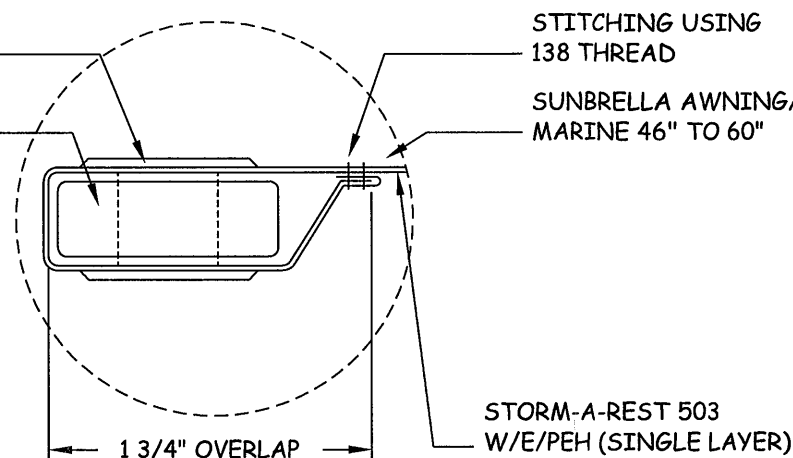


DETAIL A
PANEL CORNER

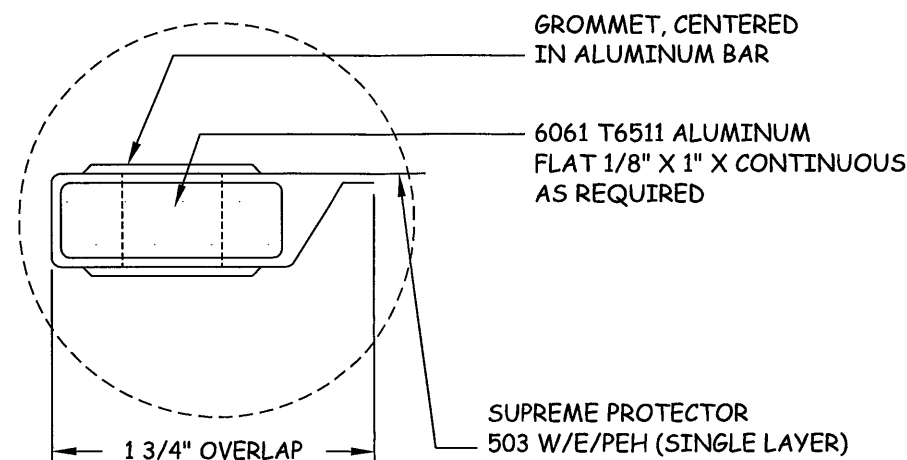


DETAIL E
SEAM USED TO JOIN PANELS

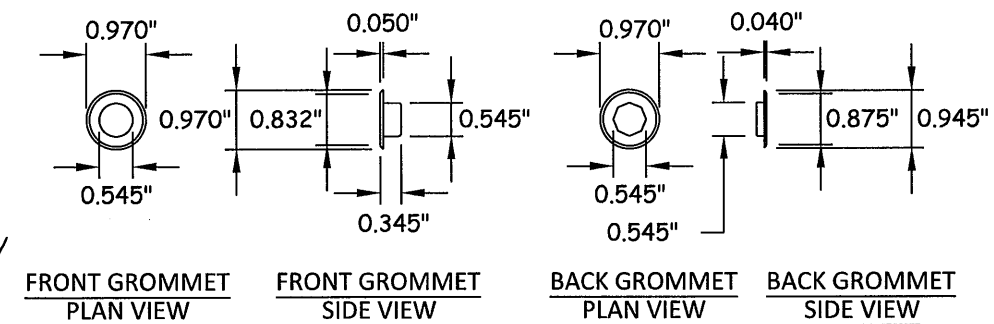
GROMMET, CENTERED
IN ALUMINUM BAR
6061 T6511 ALUMINUM
FLAT 1/8" X 1" X AS REQUIRED



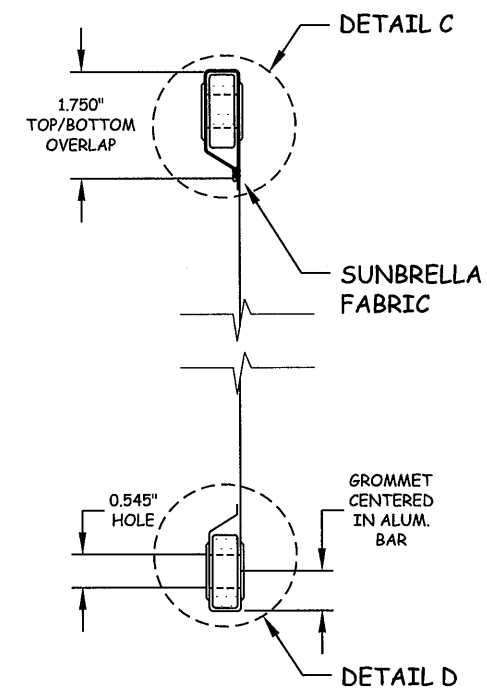
DETAIL C
MOUNTING BRACKET DETAIL
WITH SUNBRELLA FABRIC



DETAIL D
MOUNTING BRACKET DETAIL



1 SUPREME PROTECTOR
503 W/E/PEH PROFILE



ITEM #	DESCRIPTION	MATERIAL	MANUFACTURER
1	SUPREME PROTECTOR 503 W/E/PEH	UHMW POLYETHYLENE	JHRG, LLC
2	GROMMET	305 S. STEEL	
3	ZIPPER AND SLIDER	RESIN	LENZIP
4	1/4" ITW BUILDEX SAMMYS SSC	STEEL	
5	1/4-20 X 3/4" SIDEWALK BOLT	S. STEEL	
6	6061 T6511 ALUMINUM FLAT 1/8" X 1"	ALUMINUM	
7	1/4" ITW BUILDEX TAPCON SG	STEEL	
8	1/4" FLAT WASHER	S. STEEL	

2 GROMMET



TITLE: SUPREME PROTECTOR
COMPONENTS AND BILL OF
MATERIALS
PREPARED BY: BUILDING DROPS, INC.
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PH: (407) 644-6957 FX: (407) 644-2366

REVISIONS		DATE
NO.	DESCRIPTION	BY
A	UPDATED PER MIAMI-DADE COMMENTS	JLR
B	REVISED DETAIL C	KH
C	2010 FBC CODE CHANGE	MS

Signature
4-16-2012
HERMES F. NOBRO
FLORIDA P.E. NO. 73778
127 W. FAIRBANKS AVE., STE. 438
WINTER PARK, FL 32789
PERMIT OF AUTHORIZATION NO. 28578

PRODUCT REVISED
as complying with the Florida
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Acceptance No 12-0423.11
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DATE: 04.09.09
DWN BY: JLR
CHK BY: HN
SCALE: NTS
DWG #: JHRG05
SHEET: 4 OF 4